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221639.ST25
SEQUENCE LISTING

<110> GOVERNMENT OF THE UNITED STATES OF AMERICA, REPRESENTED BY
THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES

<120> SCYTOVIRINS AND RELATED CONJUGATES, FUSION PROTEINS, NUCLEIC
ACIDS, VECTORS, HOST CELLS, COMPOSITIONS, ANTIBODIES, AND METHODS
OF USING SCYTOVIRINS

<130> 221639

<150> 60/381,322

<151> 2002-05-16

<160> 7

<170> PatentIn version 3.2

<210> 1

<211> 95

<212> PRT

<213> Scytonema varium

<220>

<221> MISC_FEATURE

<222> (7)..(55)

<223> Disulfide cross-link between Cys at position 7 and Cys at
position 55

<220>

<221> MISC_FEATURE

<222> (20)..(26)

<223> Disulfide cross-link between Cys at position 20 and Cys at
position 26

<220>

<221> MISC_FEATURE

<222> (32)..(38)

<223> Disulfide cross-link between Cys at position 32 and Cys at
position 38

<220>

<221> MISC_FEATURE

<222> (68)..(74)

<223> Disulfide cross-link between Cys at position 68 and Cys at
position 74

<220>

<221> MISC_FEATURE

<222> (80)..(86)

<223> Disulfide cross-link between Cys at position 80 and Cys at
position 86

<400> 1

Gly Ser Gly Pro Thr Tyr Cys Trp Asn Glu Ala Asn Asn Pro Gly Gly
1 5 10 15

Pro Asn Arg Cys Ser Asn Asn Lys Gln Cys Asp Gly Ala Arg Thr Cys
20 25 30

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Ser Ser Ser Gly Phe Cys Gln Gly Thr Ser Arg Lys Pro Asp Pro Gly
 35 40 45

Pro Lys Gly Pro Thr Tyr Cys Trp Asp Glu Ala Lys Asn Pro Gly Gly
 50 55 60

Pro Asn Arg Cys Ser Asn Ser Lys Gln Cys Asp Gly Ala Arg Thr Cys
 65 70 75 80

Ser Ser Ser Gly Phe Cys Gln Gly Thr Ala Gly His Ala Ala Ala
 85 90 95

<210> 2
 <211> 107
 <212> PRT
 <213> Volvox carteri

<400> 2

Gln Lys Ser Ala Ser Tyr Tyr Trp Asn Glu Ala Thr Asn Pro Leu Gly
 1 5 10 15

Pro Asn Arg Cys Asn Pro Ala Gly Arg Gly Cys Glu Cys Asp Gly Leu
 20 25 30

Arg Thr Cys Ser Ser Tyr Gly Trp Cys Gln Gly Ile Ser Arg Pro Thr
 35 40 45

Ser Pro Pro Pro Pro Ala Ala Cys Gln Gln Lys Ser Ala Ser Tyr Tyr
 50 55 60

Trp Asn Glu Ala Lys Asn Pro Leu Gly Pro Asn Arg Cys Asn Pro Ala
 65 70 75 80

Gly Arg Gly Cys Glu Cys Asp Gly Leu Arg Thr Cys Ser Gln Tyr Gly
 85 90 95

Trp Cys Gln Gly Thr Ala Arg Thr Arg Arg Ala
 100 105

<210> 3
 <211> 42
 <212> PRT
 <213> Scytonema varium

<400> 3

Asn Arg Cys Ser Asn Asn Lys Gln Cys Asp Gly Ala Arg Thr Cys Ser
 1 5 10 15

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Ser Ser Gly Phe Cys Gln Gly Thr Ser Arg Lys Pro Asp Pro Gly Pro
 20 25 30

Lys Gly Pro Thr Tyr Cys Trp Asp Glu Ala
 35 40

<210> 4
 <211> 43
 <212> PRT
 <213> Urtica dioica

<400> 4

Gln Arg Cys Gly Ser Leu Gly Gly Gly Gly Thr Cys Pro Gly Leu Arg
 1 5 10 15

Cys Cys Ser Ile Trp Gly Trp Cys Gly Asp Ser Glu Pro Tyr Cys Gly
 20 25 30

Pro Ser Cys Glu Thr Asn Cys Trp Asp Asp Glu
 35 40

<210> 5
 <211> 44
 <212> PRT
 <213> Hevea brasiliensis

<400> 5

Glu Gln Cys Gly Arg Gln Ala Gly Gly Lys Leu Cys Pro Asn Asn Leu
 1 5 10 15

Cys Cys Ser Gln Trp Gly Trp Cys Gly Ser Thr Asp Glu Tyr Cys Ser
 20 25 30

Pro Asp His Asn Cys Gln Ser Asn Cys Lys Asp Ser
 35 40

<210> 6
 <211> 29
 <212> PRT
 <213> Amaranthus caudatus

<400> 6

Gly Glu Cys Val Arg Gly Arg Cys Pro Ser Gly Met Cys Cys Ser Gln
 1 5 10 15

Phe Gly Tyr Cys Gly Lys Gly Pro Lys Tyr Cys Gly Arg
 20 25

<210> 7
 <211> 44

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<212> PRT
<213> Triticum aestivum

<400> 7

Ile Lys Cys Gly Ser Gln Ala Gly Gly Lys Leu Cys Pro Asn Asn Leu
1 5 10 15

Cys Cys Ser Gln Trp Gly Phe Cys Gly Leu Gly Ser Glu Phe Cys Gly
20 25 30

Gly Gly Cys Gln Ser Gly Ala Cys Ser Thr Asp Lys
35 40